INDUSTRIAL TOURISM IN KRYVYI RIH (UKRAINE) - CONNECTION OF TIMES IN ONE PLACE

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Kryvyi Rih is a city in the central Ukraine. It is situated in Dnipropetrovsk Oblast at the confluence of the Inhulets and Saksahan rivers. The estimated population is 634,000 people.
WHY KRYVYI RIH HAS ALL THE ADVANTAGES FOR THE DEVELOPMENT OF INDUSTRIAL TOURISM IN UKRAINE?

More objects of industrial tourism are concentrated on the territory of the city.

- **45** operating mining iron ore mines, 8 of them are big
- **23** auxiliary and **14** suspended mines
- **41** open pits, **11** of them are giants and being used for iron ore mining
- **89** dumps
- **26** mining sinks and underground mining cavities
- **15** tailings
- **27** speleology objects – open mining cavities, open shafts of non-operating mines, drifts, staples, sinking wells and sinking bailers
PJSC «ArcelorMittal Kryvyi Rih» - the largest Mining and Steel enterprise of Ukraine and Europe
Iron ore mines of Kryvyi Rih are the deepest mines in Europe
The biggest and the deepest open pits in Europe

d – 400-470 m
l – 3-6 km
S – 500-775 hectare
Unique forms of artificial relief

21 lakes in old and inactive open pits

Mining sinks

Kryvyi Rih Grand Canyon of Inhulets river
Industrial heritage objects
Mines of Kryvyi Rih

- Mine «Eastern», 1958
- Mine «Pervomajskaya», 1934
- Mine «Central», 1908
- Default mines
Mine «Southern», 1957
Mine «Gigant-Glyboka», 1962
Mine «Ventyliatsijna», 1979
Mine «Artem-2», 1972

Industrial heritage
Mine «Hvardiiska» is the deepest iron mine in Europe (deep is 1620 m)

Operating mines (built in 1950-1980 years)

Mine «Rodina», 1972

Mine «Artem-1», 1963
Open pits of Kryvyi Rih where iron ore is mined

The first open pit of Saksagansky Minery, 1881

Lost or almost lost open pits

Open pit of Hdantsivsky minery, 1892
Open pits of Vizyrka minery
1899-1972

Open pits of Red Plate minery
1889-1917

Industrial heritage

Open pit №1 of PJSC “ArcelorMittal of Kryvyi Rih”
1959-1985
Modern open pits on iron ore mining from 1953-1971 till now
Dumps of Kryvyi Rih with the rocks which do not
Total square of 14 thousand hectares 100-150 m high, from 1953 till now.
Collapse over the cavities of mines

- depth up to 250 m,
- total area of 3 thousand hectares
- time of origin is from the early 20th century
- are being formed in our time

THERE ARE NO ANALOGUES OF SUCH SIZES IN EUROPE
Industrial architecture of Kryvyi Rih

View of Hdantsevsky iron foundry plant (built 1892, almost not saved)

photos of 1899 year
Saved old industrial objects

Industrial heritage

1904

1927

1895

1884
Operating modern big enterprises of metallurgy

Operating giant enterprises
Museums of industrial directions

- museum of North Mining and Concentration Complex;
- museum of Central Mining and Concentration Complex;
- museum of Southern Mining and Concentration Complex;
- museum of Inhulets Mining and Concentration Complex;
- museum of history PJSC «ArcelorMittal Kryvyi Rih»;
- museum of history of the Kryvyi Rih Railway;
- museum of the enterprise «Kryvbasvybuhprom»;
- museum «Park of planes of the Soviet period»;
- museum of tram of Kryvyi Rih
Establishment of skansens

The first step in this direction was made in August 26, 2009 - the first in Ukraine "Museum of Mining Technology" was established. It comprises a great variety of industrial facilities of production. This museum is a unique thing for our country so as there are no similar projects among the mining and metallurgical complexes. Here you can see the excavator buckets, the mine locomotive, the bulldozer of the open pit, BelAZ vehicle, the crusher from the crushing plant, separator from the dressing plant and many other equipment representing the strength and power of Kryvyi Rih mining companies.
Target groups of museums visitors

all age groups of the population - children, students, pensioners and all interested persons. Museums are included in the excursion program. One of the tasks of museums is to conduct vocational guidance among schoolchildren and students, advertise various professions at enterprises.

Perspective

- creation of a museum of mining;
- creation of the "Giant-Gluboka" mine-museum;
- creation of a skansen of metallurgical equipment by "ArcelorMittal Kryvyi Rih".
As for today, in the city of Kryvyy Rih there are time parallels between the industrial heritage and industrial tourism to the operating enterprises. Here the situation is as follows:

Enterprises develop industrial tourism on their own territory. They allow tourist visiting to operating workshops and working facilities – open pits, factories, shops, dumps, training mine and descents to working mines for iron ore mining on the working horizons -1350 m or -1390 m. This is what we made a major contribution to the development of industrial tourism. It is the modernity of industry.
Leader in the number of tourists

South Mining and Concentration Complex

2500 number of excursions

32000 number of excursionists

*Since the 1st January 2014
The project “My parents work for ArcelorMittal”

Project start on March 18, 2017

- 57 number of excursions
- 490 number of families
- 562 number of children
Active and proven sightseeing tours:

- 7 bus tours
- 12 combined (bus and pedestrian) tours
- 14 cycling tours
- 16 hiking trails
- 1 water cruise on the Kresivske water reservoir
- 2 diving routes on flooded open pits
EXCURSION POTENTIAL OF KRYVYI RIH

✓ 3 extreme routes
✓ 3 night city tours (including the New Year's celebrating on the dump)
✓ 1 route with a descent to the mine at a depth of 1350 meters
✓ 4 water routes on the river Ingulets and Saksagan on kayaks

Excursion routes have industrial content and are held to the objects of industrial heritage and working enterprises
EXCURSIONS

City residents: 85%
Residents of the country: 14%
Foreigners: 1%

Number of excursions
Number of excursionists

*Since the 1st March 2013
EXPECTED RESULTS

- popularization of tourist objects among the inhabitants of Ukraine and Europe;
- growth of employment in tourism sector;
- creation of developed infrastructure of industrial tourism;
- carrying out of festivals of industrial culture;
- increase of incoming tourists
conducting information tours in order to attract tour operators to cooperation;
expanding the range of thematic and complex excursions;
expanding the scope of attractions in museums, skansens and operating enterprises;
participation in tourist forums and exhibitions;
entry of the city into international organizations ERIH and TICCIH;
preparation of projects for the conversion of broken industrial objects into various institutions of the service sector;
search for partners and sponsors, participation in grant projects
Route "INDUSTRIAL RING OF THE DNIPRO REGION"
THANK YOU FOR ATTENTION!
WELCOME TO UKRAINE AND KRYVYI RIH
TO SEE RICH INDUSTRIAL HERITAGE AND
TAKE PART IN ITS RESEARCH!